

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

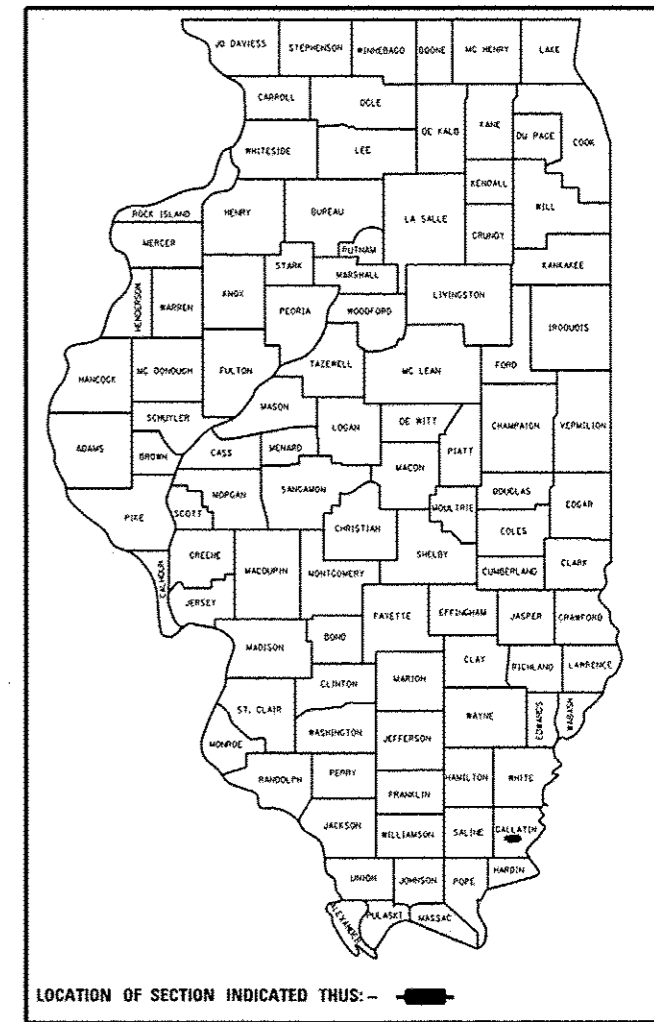
ROUTE IL 13 (FAP 331)
SECTION D9 CM PAVEMENT REPAIR 2014-1

INTERSECTION IMPROVEMENT
COUNTY GALLATIN

C-99-007-14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 CM PAVEMENT REPAIR 2014-1	GALLATIN	8	1
		ILLINOIS	CONTRACT NO. 78386	

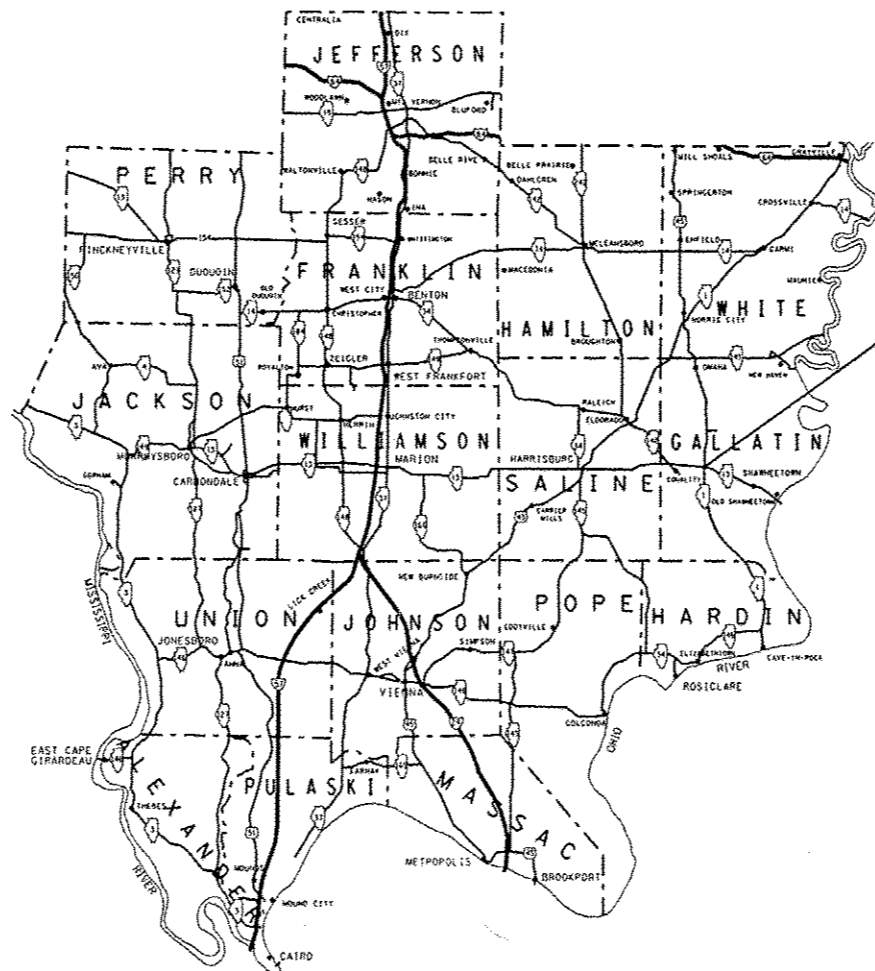
D-99-006-14



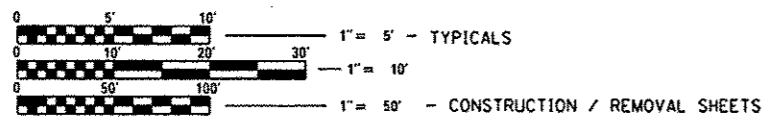
LOCATION OF SECTION INDICATED THIS: —

FOR INDEX OF SHEETS, SEE SHEET NO. 2

LOCATION	ADT(2012)	SU	MU
IL 13 E OF IL 1 (GALLATIN CO.)	7,250	150	2,850



IL 13 WESTBOUND
EAST LEG OF INTERSECTION WITH IL 1
STA. 1819+22.83 TO STA 1827+00



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER SEAN GREENLEE
PROJECT MANAGER SUSAN POE

CONTRACT NO. 78386

GROSS LENGTH = 777 FT. = 0.15 MILE
NET LENGTH = 777 FT. = 0.15 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Dec 12 2013

Jeffrey L. Keim
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 24 2014
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 24 2014
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHT NO	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, MIXTURES REQUIREMENTS
3-5	SUMMARY OF QUANTITIES
6	TYPICAL SECTIONS
7	SCHEDULES OF QUANTITIES
8	PROPOSED REMOVAL AND CONSTRUCTION

STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-07	PAVEMENT JOINTS
420101-04	24' JOINTED PCC PAVEMENT
483001-04	PCC SHOULDER
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L 2W, 15' (4.5m) to 24' (600 mm) FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701206-03	LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

GENERAL NOTES

1. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT	2.016 TONS/CU YD
ALL AGGREGATE	2.05 TONS/CU YD
BITUMINOUS MATERIALS:	
ON PAVEMENT	0.09 GAL/SQ YD
INTERMEDIATE LIFTS (FOG COATS)	0.04 GAL/SQ YD
ON AGGREGATE SURFACE	0.32 GAL/SQ YD
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ YD
RIPRAP	1.50 TONS/CU YD

2. AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

3. FORMS FOR COMBINATION CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

4. PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

5. A QUANTITY OF 100 FT OF COMBINATION CURB AND GUTTER, TYPE M-6.06 HAS BEEN ESTIMATED FOR THE MEDIAN OF IL 13 EAST OF IL 1. THE EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.

6. FINAL GRADING OF THE FORESLOPES SHALL BE INCLUDED IN THE COST OF AGGREGATE SHOULDERS, TYPE B, AND SHALL BE TO THE SATISFACTION OF THE ENGINEER.

7. EARTHWORK COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.

8. PROTECTIVE COAT SHALL BE APPLIED TO ALL CONCRETE, GUTTER FLAGS, FACE OF CURB AND MEDIAN SURFACE AS NEEDED ACCORDING TO SEASONAL REQUIREMENTS 420.18.

COMMITMENTS:

NONE

REV.

Prepared By:	<i>Joe Blawie</i> DISTRICT STUDIES & PLANS ENGINEER
Examined By:	<i>John E. ...</i> DISTRICT LAND ACQUISITION ENGINEER
Examined By:	<i>Casey ...</i> DISTRICT PROGRAM DEVELOPMENT ENGINEER
Examined By:	<i>Karl ...</i> DISTRICT OPERATIONS ENGINEER
Examined By:	<i>...</i> DISTRICT PROJECT IMPLEMENTATION ENGINEER
Examined By:	<i>...</i> DISTRICT CONSTRUCTION ENGINEER
Examined By:	<i>...</i> DISTRICT MATERIALS ENGINEER

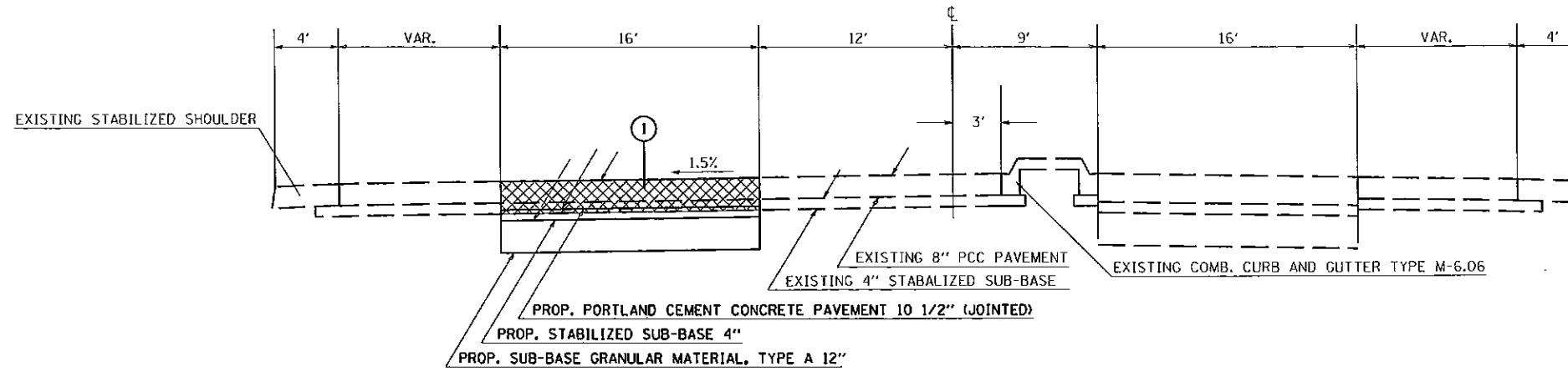
FILE NAME *	USER NAME * greenleam	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS, GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\greenleam\d03562271	13.1-wb-rlt-pln.dgn	DRAWN -	REVISED -			331	09 CM PAVEMENT REPAIR 2014-1	GALLATIN	8	2	
	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.					
	PLOT DATE = 12/2/2013	DATE -	REVISED -			[ILLINOIS] FED. AID PROJECT CONTRACT NO. 78386					

SUMMARY OF QUANTITIES				COUNTY	GALLATIN
				FUNDING	100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				0004	
				RURAL	
20200100	EARTH EXCAVATION	CU YD	743	743	
25000200	SEEDING, CLASS 2	ACRE	0.2	0.2	
25000350	SEEDING, CLASS 7	ACRE	0.2	0.2	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36	36	
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	24	24	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	24	24	
25000700	AGRICULTURAL GOUND LIMESTONE	TON	0.40	0.4	
25100115	MULCH, METHOD 2	ACRE	0.20	0.2	
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SO YD	1650	1650	
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	35	35	
31200100	STABILIZED SUB-BASE 4"	SO YD	1495	1495	
42000511	PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)	SO YD	1379	1379	
42001300	PROTECTIVE COAT	SO YD	1612	1612	
44000100	PAVEMENT REMOVAL	SO YD	1379	1379	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
				COUNTY	GALLATIN
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE	
				ROADWAY	
				0004	RURAL
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	100	100	
44004250	PAVED SHOULDER REMOVAL	SQ YD	311	311	
44213204	TIE BARS 3/4"	EACH	416	416	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	387	387	
48300510	PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"	SQ YD	233	233	
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	100	100	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3	3	
70200100	NIGHTTIME WORKZONE LIGHTING	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	23	23	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1475	1475	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	16	16	

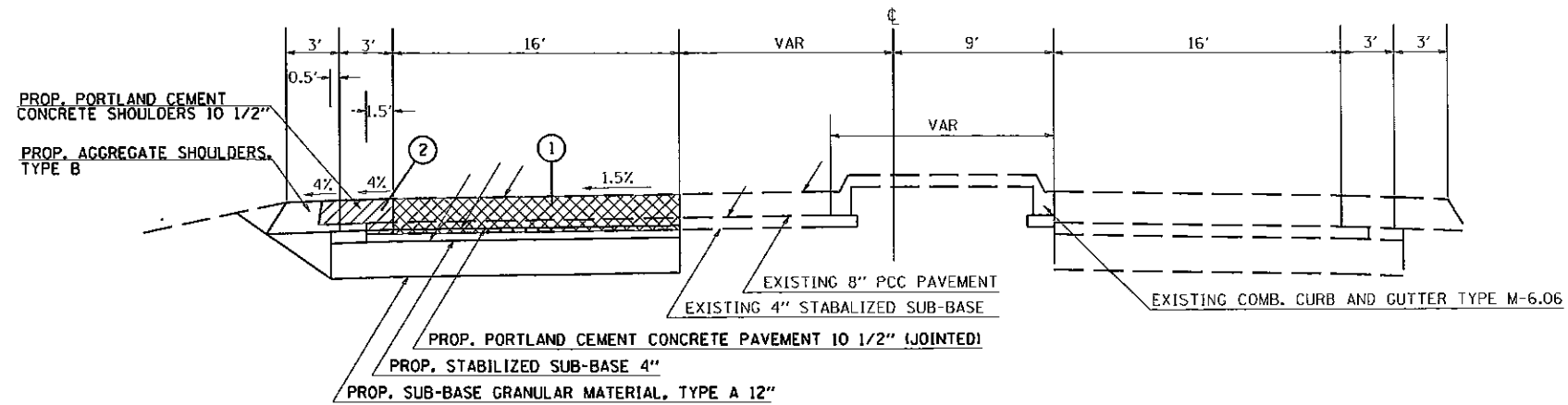
FILE NAME =	USER NAME = greenlasm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
os\p\work\p\p\p\greenlasm\0356227\	D.J. I-wb-shi-pl-rdgn	DRAWN -	REVISED -			331	09 CM PAVEMENT REPAIR 2014-1	GALLATIN	8	4	
MODEL NAME	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -			CONTRACT NO. 78386		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 11/27/2013	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.			

TYPICAL SECTIONS



TO BE USED:
 STA 1819+22.83 TO STA 1820+01.68

- ① - PROP. PAVEMENT REMOVAL
- ② - PROP. PAVED SHOULDER REMOVAL



TO BE USED:
 STA 1820+01.68 TO STA 1827+00

FILE NAME =	USER NAME = greenjasm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
c:\pwork\pwork\greenjasm\d0356227\1	13.1-wbshk-plndgn	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	331	09 CM PAVEMENT REPAIR 2014-1	GALLATIN	8	6
	PLDT SCALE = 10.0000 1/2 in.	CHECKED -	REVISED -		CONTRACT NO. 78386										
	PLDT DATE = 11/19/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

REMOVAL SCHEDULE

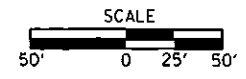
LOCATION STATION TO STATION	LENGTH	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	REMARKS
	FOOT	SQ YD	SQ YD	FOOT	
IL 13					
1819+32.35 TO 1820+67.89	135.54	241			
1820+67.89 TO 1825+00.	432.11	768	193		
1825+00. TO 1830+10.98	510.98	804	227		
POSSIBLE CURB AND GUTTER				100	REMOVAL AND REPLACEMENT TO BE USED AS DIRECTED BY THE ENGINEER
SUBTOTALS	1079	1813	420	100	

PAVEMENT AND SHOULDER SCHEDULE

LOCATION STATION TO STATION	LENGTH	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SUBBASE GRANULAR MATERIAL, TYPE C	AGGREGATE SHOULDERS, TYPE B	STABILIZED SUB-BASE 4"	PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)	PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"	TIE BARS 3/4"	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	PROTECTIVE COAT	REMARKS
	FOOT	SQ YD	TON	TON	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	
IL 13											
1819+24.65 TO 1820+01.68	77.03	137			137	137		68		137	
1820+01.68 TO 1824+98.79	497.11	1077	25	114	967	884	166	248		1050	
1824+98.79 TO 1827+00.	201.21	436	11	46	391	358	67	100		425	
POSSIBLE CURB AND GUTTER									100		REMOVAL AND REPLACEMENT TO BE USED AS DIRECTED BY ENGINEER
SUBTOTALS	775	1650	36	160	1495	1379	233	416	100	1612	

PAVEMENT MARKING SCHEDULE

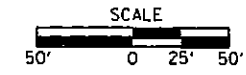
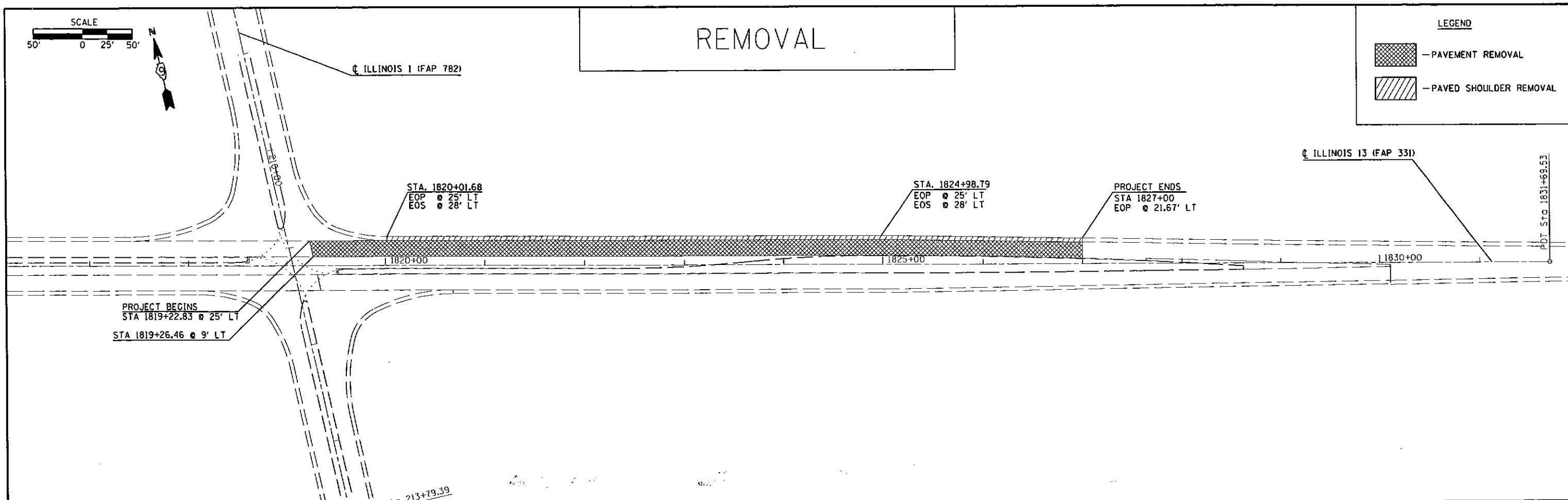
LOCATION STATION TO STATION	PAINT PAVEMENT MARKING - LINE 4"		PAINT PAVEMENT MARKING - LINE 24"	REMARKS
	WHITE SOLID	YELLOW SOLID	WHITE	
	FOOT	FOOT	FOOT	
IL 13				
1819+55			16	STOP BAR
1820+01.68 TO 1827+00.	699			OUTSIDE EOP
1819+55. TO 1822+40.	285			STORAGE LANE LINE
1824+40. TO 1827+00.		260		INSIDE EOP
	984	260		
TOTALS	1244		16	



REMOVAL

LEGEND

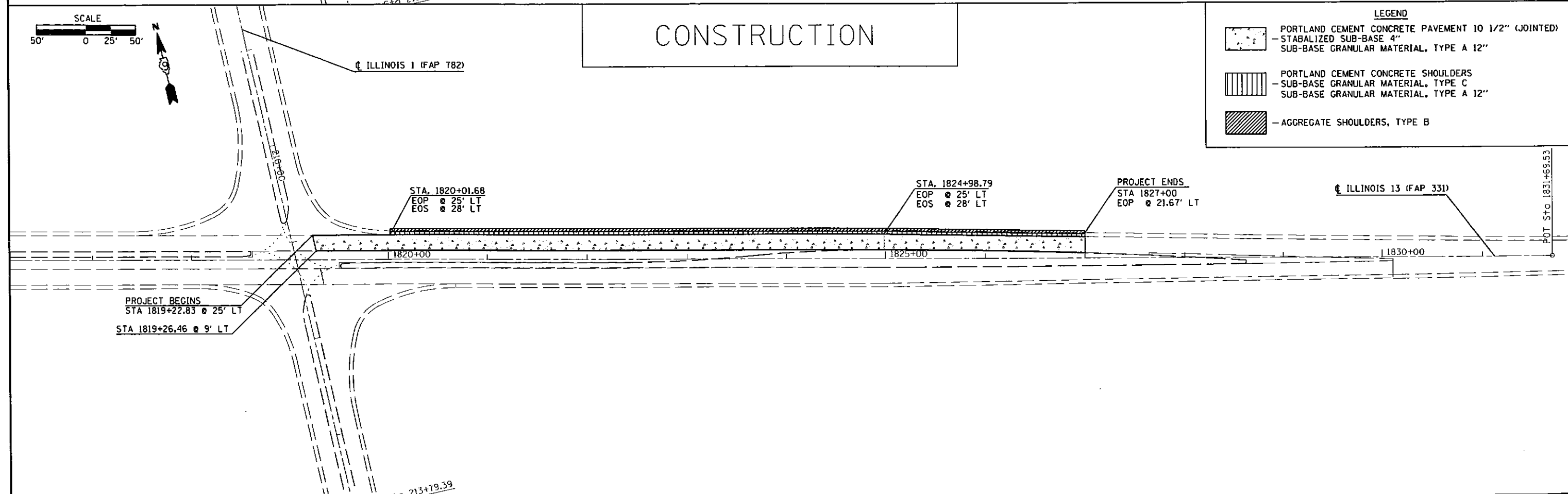
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL



CONSTRUCTION

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- STABILIZED SUB-BASE 4"
- SUB-BASE GRANULAR MATERIAL, TYPE A 12"
- PORTLAND CEMENT CONCRETE SHOULDERS
- SUB-BASE GRANULAR MATERIAL, TYPE C
- SUB-BASE GRANULAR MATERIAL, TYPE A 12"
- AGGREGATE SHOULDERS, TYPE B



FILE NAME =	USER NAME = greenleam	DESIGNED -	REVISED -
al\pr-work\pmdot\greenleam\d0356227\13.1-wb-shr-pln.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000 1/4" = 1'		CHECKED -	REVISED -
PLOT DATE = 11/19/2013		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL / CONSTRUCTION SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	09 CM PAVEMENT REPAIR 2014-1	GALLATIN	8	8
CONTRACT NO. 78386			ILLINOIS FED. AID PROJECT	